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PPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
09/995,872	11/29/2001	Si-Nin Quan	1604		
75	90 06/14/2005		EXAM	EXAMINER	
Si-Nin Quan			DUVERNE, JEAN F		
3186 Yakima C San Jose, CA			ART UNIT	PAPER NUMBER	
•			2839	2839	

DATE MAILED: 06/14/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

					<u>n'n</u>			
		Applica	ition No.	Applicant(s)				
Office Action Summary		09/995	,872	QUAN ET AL.				
		Examin	er	Art Unit				
		Jean F.	Duverne	2839				
Period fo	The MAILING DATE of this commu or Reply	nication appears on t	he cover sheet wi	th the correspondence addres	s			
THE - External control	IORTENED STATUTORY PERIOD IN MAILING DATE OF THIS COMMUNION of time may be available under the provision of SIX (6) MONTHS from the mailing date of this come period for reply specified above is less than thirty (Diperiod for reply is specified above, the maximum of period for reply within the set or extended period for reply reply received by the Office later than three months are patent term adjustment. See 37 CFR 1.704(b).	IICATION. s of 37 CFR 1.136(a). In no munication. 30) days, a reply within the statutory period will apply and y will, by statute, cause the a	event, however, may a r tatutory minimum of thin I will expire SIX (6) MON application to become AB	eply be timely filed  y (30) days will be considered timely. THS from the mailing date of this communications ANDONED (35 U.S.C. § 133).	nication.			
Status								
1) 又	Responsive to communication(s) fil	ed on 26 November	2004					
2a)□								
3)	<del>'=</del>							
	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposit	ion of Claims							
5)□ 6)⊠ 7)□	Claim(s) 1-5 is/are pending in the a 4a) Of the above claim(s) is/a Claim(s) is/are allowed. Claim(s) 1-5 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restrict	are withdrawn from o						
Applicat	ion Papers							
9)	The specification is objected to by the	ne Examiner.						
10)	The drawing(s) filed on is/are		-	,				
	Applicant may not request that any obje	•	•	, ,				
11)	Replacement drawing sheet(s) includin The oath or declaration is objected to	•	•	` , ,	` '			
Priority (	under 35 U.S.C. § 119							
a)	Acknowledgment is made of a claim  All b) Some * c) None of:  1. Certified copies of the priority  2. Certified copies of the priority  3. Copies of the certified copies application from the International Certified detailed Office actions.	or documents have be or documents have be of the priority docur onal Bureau (PCT R	een received. een received in A ments have been ule 17.2(a)).	pplication No received in this National Stag	je			
Attachmen	at(s)							
	ce of References Cited (PTO-892)	DTO 040)		Summary (PTO-413) S)/Mail Date				
3) 🔲 Infor	ce of Draftsperson's Patent Drawing Review ( mation Disclosure Statement(s) (PTO-1449 o er No(s)/Mail Date			nformal Patent Application (PTO-152	)			

Art Unit: 2839

## **DETAILED ACTION**

## Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
  - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Griswold ()US005371436A).

In regard to claims 1-2 and 5, Griswold's device discloses a spark plug terminal (see figs 1-21) electrically and mechanically connected to a spark plug cable terminal (28), comprising: a cotter pin (see attachment) which is inserted on a portion of said spark plug terminal; a spacer at 238 or 132 which is positioned on said spark plug terminal; a coiled spring (246) located adjacent to said spacer whereby the spring pressure is applied against the spacer; a slotted spark plug cable terminal; and a sliding spark plug cover at 126; wherein the slotted spark plug cable terminal sitting on the spring loaded spacer and being hooked up by the cotter pin so as to form an interlocking mechanism. However, Griswold's device fails to explicit disclose the cotter pin being placed in the upper portion of the plug terminal. It would have been obvious to one having ordinary skill art at the time the invention was made to place the cotter pin being placed in the upper portion of the plug terminal, since it has been held that rearranging parts of an invention involves only routine skill in the art. In re Japikse, 86 USPQ 70. It would have been obvious to one having ordinary skill art at the time the

invention was made to place the cotter pin being placed in the lower portion of the plug terminal instead of upper portion in order to improve the interconnection of plug terminal in Griswold's device.

In regard to claims 3-4, Griswold's device discloses the aforementioned limitations including the cover with the sliding features along the plug cable terminal, and the pressing (pushing force) and turning limitations (the treading features or see fig. 20).

## Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jean F. Duverne whose telephone number is (571) 272-2091. The examiner can normally be reached on 9:00-7:30, Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, TC Patel can be reached on (571) 272-2098. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have guestions on access to the Private PAIR system, contact the Electronic

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Business Center (EBC) at 866-217-9197 (toll-free).

JFD

06/08/2005

Jean Frantz-Buverne Primary Examiner Art Unit 2839

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